

Intel® Performance Appliance Platform

Product Highlights

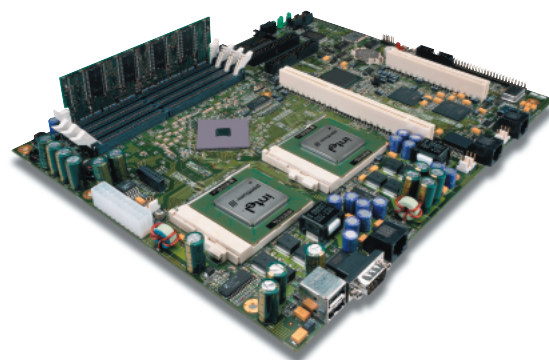
- Features the scalable performance dual Intel® Pentium® III Processor with 512K L2 Cache at 1.26 GHz and a processor system bus (PSB) performance of 133 MHz
- Supports the Micron® Copperhead Chipset
- Support for up to 8 GB of DDR266 SDRAM at 133 MHz, enabling cost-effective high-volume memory with Error-Correcting Code (ECC) capability
- Dual Gb Ethernet, featuring the Intel® 82544GC, providing high I/O bandwidth to interface to high-speed networks
- 10/100 Ethernet controller, featuring the Intel® 82550EY, with integrated MAC/PHY controller for cost-effective networking solutions
- An ATA-100 Compact Flash port for program memory storage
- Integrated Platform Management Interface (IPMI) for watchdog monitoring
- 1U Chassis capable of supporting appliance and rack mount form factors
- Support for ATA-100

Included Hardware

- 20 GB HDD (minimum) pre-loaded with the Linux® (RedHat 7.2) Real Time Operating System
- Up to 4 GB Memory

User Accessible On-Board Connectors

- Two Serial RS-232 Ports; COM1, COM2
- Two RJ-45 Gb Ethernet Connectors
- One RJ-45 10/100 Ethernet Connector
- ATX Power Supply Connector
- One PCI-X 3.3V Connector
- One PCI 32 bit /33 MHz 5V Connector
- Two USB 1.0 Ports
- Four DDRAM DIMM Connectors
- Support for up to 4 IDE ATA-100 hard drives. Backward compatible with legacy hard drives



Product Description

The Intel® Performance Appliance Platform is a physical kit consisting of a reference board, technical documentation and demonstration software for applied computing applications. The reference design board supports the Intel® Pentium® III Processor with 512K L2 Cache in the 370-pin Flip-Chip Pin Grid Array (FC-PGA) package. The board includes a processor system bus that operates at 133 MHz.

The Intel Performance Appliance Platform is designed to enable communication appliance solutions for large enterprise and Internet Service Provider (ISP) applications. The platform shortens the development lifecycle by making schematics and support documentation available with the tested reference design. The Intel Performance Appliance Platform is ideal for security, voice, and network management appliances, as well as other applications requiring high I/O bandwidth and increased system memory.

Please visit the Intel Reference Design Web page at:
developer.intel.com/platforms/applied/eiacomm/reference_configs.htm

Benefits For Developers

The Intel Performance Appliance Platform has significant advantages for developers:

Time-To-Market:

It provides a comprehensive platform solution that can dramatically accelerate time-to-market. Intel works with independent hardware and software vendors to quickly enable the implementation of designs.

Economical:

- Schematics are available for download at no cost from Intel's Developer Site at:

developer.intel.com/platforms/applied/eiacomm/reference_configs.htm

developer.intel.com



Product Description (continued)

- Intel's performance platforms deliver the performance required for Enterprise and Internet Service Provider communications solutions.

Extended Product Lifecycle:

Embedded Intel processors and other components are typically supported for 5 years.

Performance:

- High level of processing power with the dual Intel® Pentium® III Processor with 512K L2 Cache at 1.26 GHz and PSB performance of 133 MHz

- High I/O bandwidth provided by dual Gb Ethernet and a 10/100 Ethernet controller

- Extended memory, up to 8 GB of DDR266.

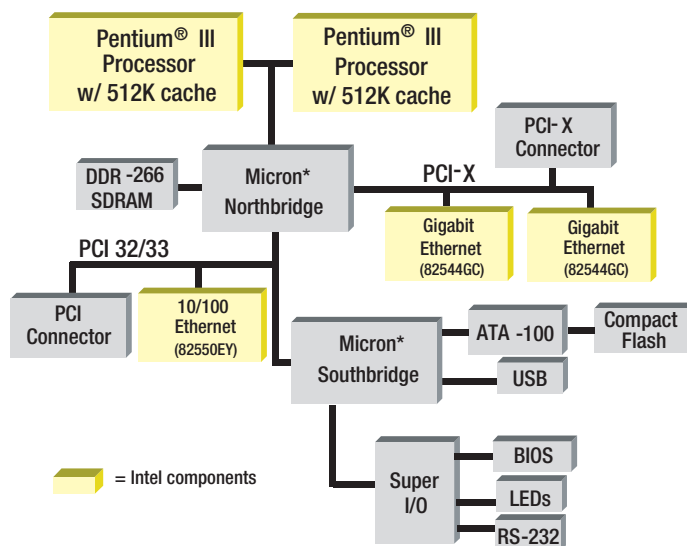
Quality:

Intel's manufacturing capacity and quality requirements help ensure product reliability and customer satisfaction.

Broadest application support:

The platform is based on the open Intel Architecture that is familiar to most programmers. Moreover, the architecture supports multiple operating systems, including Linux*, VxWorks*, and Windows* XP Embedded.

Intel® Performance Appliance Platform



Intel Access

Developer's Site	developer.intel.com/
Communications Appliance Reference Designs	developer.intel.com/platforms/applied/eiacomm/reference_configs.htm
Other Intel Support:	developer.intel.com/design/litcentr/
Intel Literature Center	(800) 548-4725 7 a.m. to 7 p.m. CST (U.S. and Canada) International locations please contact your local sales office.
General Information Hotline	(800) 628-8686 or (916) 356-3104 5 a.m. to 5 p.m. PST

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